



2007

Dry Cleaner Compliance Calendar



**Virginia Small Business
Assistance Program**
“Serving Business and the Environment”



Need More Help?

For additional information on Dry Cleaning operations please contact:

The Virginia Small Business Assistance Program
804-698-4394 or 1-800-592-5482 (VA State Only)

Instant Help – Try our Web Site

www.deq.virginia.gov/osba/



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

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www.deq.virginia.gov

L. Preston Bryant, Jr.
Secretary of Natural Resources

December 15, 2006

Dear Small Business Owner:

It is hard to believe that we are approaching 13 years of association and mutual interest in your environmental responsibilities as a "Perc" Dry Cleaner owner/operator. Over those years, we have seen your industry go through many positive changes. The most notable are the advances of the dry cleaning machines with their improved efficiency and reduced environmental impact. We have seen your interest and attitude create a positive change towards compliance with your environmental responsibilities. This has made significant reductions of the emissions of Perchloroethylene to the atmosphere and helped to provide a better work environment for your employees. I would like to congratulate you on your efforts to maintain a healthy environment for Virginia.

The goal of the Virginia Department of Environmental Quality and the Office of Small Business Assistance is to assist small businesses in the Commonwealth in understanding and implementing Environmental Regulations. Our office is dedicated to helping you find answers to your environmental questions. The three most commonly asked questions about Environmental Regulations are:

1. What do I have to do?
2. How do I do it?
3. Is there help for me to pay for it?

This past July, the Federal EPA made changes to the Dry Cleaning Regulations that will require additional efforts for you. The changes will have:

- an impact on how you conduct inspections
- an impact on the type of dry cleaning equipment you are using or can use
- a significant impact on any dry cleaner that is operating in their plant in a residential building such as an apartment building, co-op, etc.

We have made revisions to the Calendar that highlight the changes. Additionally, we plan to provide outreach and training later in the spring. In the meantime, take the time to look at the calendar and the changes. If you have any questions at all do not hesitate to give me a call. I can be reached at 1-800-592-5482 ext. 4394 or at (804) 698-4394.

The Dry Cleaning Compliance Calendar will help you and other members of the Dry Cleaning Industry keep accurate records for both the State and Federal reporting requirements. It is an effective tool to maintain your records and your compliance with both the old and revised Virginia and Federal Perchloroethylene Dry Cleaner Regulations.

Using the calendar as the primary compliance record for your facility has helped to reduce the non-compliance rates across the state. We encourage you to continue your efforts. Ask your competitors if they are using their calendar. If not tell them, how they can get in touch with the Office of Small Business Assistance.

The calendar contains all the record-keeping elements you will need to comply with the State and Federal rules. Fasten the calendar directly to your PERC dry cleaning machine. Remember the calendar is your Annual Record of Compliance. You must keep these (records) Calendars for a period of 5 years. Also please remember that it is your responsibility to let us know if your address changes or if the ownership of your shop changes.

Please take advantage of this resource and all the resources listed at the back of the calendar. Working together we can make a difference in Virginia's environment.

Sincerely,

Richard G. Rasmussen
Director

Office of Small Business Assistance

ALERT

New Federal Regulations for Dry Cleaners Effective July 27, 2006

On July 27, 2006, the Federal Environmental Protection Agency (EPA) published new regulations for perc drycleaners. The regulations revise the 1993 rules affecting this small business group.

The new rule:

- requires additional emission controls for new drycleaner construction or re-construction
- strengthens monitoring and record keeping requirements
- requires notification of the status of compliance with all provisions of the revised rule by July 27, 2008
- bans new construction of perc drycleaners co-located in residential buildings
- phases out perc use at co-residential drycleaners by Dec. 21, 2020

The new rule has a significant impact on a few drycleaners:

- those still using transfer machines and
- those co-located in a residential building.

The new rule:

Bans new construction of co-residential perc drycleaners.

- After July 27, 2006, a drycleaner cannot construct or reconstruct a perc drycleaning system in any building in which people reside (houses, apartments, condos, and co-ops).

Phases out perc use at existing co-residential drycleaners.

- After December 21, 2020, all drycleaners must discontinue the use of perc in a building with a residence.
- Drycleaners constructed after December 21, 2005 and before July 13, 2006, must discontinue the use of perc in a building with a residence by July 27, 2009.
- This group is required to have a vapor barrier enclosure to operate (such as a room--fire codes apply--call for additional information) by July 27, 2006.

Eliminates the use of transfer machine systems.

- After July 27, 2008, all drycleaners must discontinue the use of transfer machine systems.

YOU must continue YOUR existing recordkeeping, monitoring, and inspection requirements.
The Rule Change has additional requirements which are highlighted below.

The rule requires additional emission controls and monitoring.

- A new or used drycleaning machine installed after December 21, 2005, must be a dry-to-dry refrigerated machine that recirculates the perc vapor stream through a non-vented carbon adsorber before the door is opened.
- The carbon adsorber must be desorbed according to manufacturer's instructions.
- Beginning July 27, 2006, for machines equipped with refrigerated condensers, the high and low side refrigerant pressures must be monitored weekly and maintained within the manufacturer's specified range.

The rule sets new monitoring, recordkeeping, reporting and compliance dates.

- Drycleaners existing before December 21, 2005 must comply with these additional requirements by July 28, 2008.
- New installations constructed or reconstructed on or after December 21, 2005 must comply by July 27, 2006 or at start up.
- A notification is required of the of compliance status with all provisions of the rule (1993 and 2006) to be sent by certified mail to the appropriate air pollution control authority by July 27, 2008.

If you have any questions regarding existing or new requirements, please contact the VA SBAP:
804-698-4394 OR 1-800-592-5482
www.deq.virginia.gov/osba/

The rule strengthens the 1993 monitoring and record keeping requirements.

- On machines with non-vented carbon adsorbers, the drycleaner must determine weekly if the final perc concentration is less than or equal to 300 ppm.
- The perc concentration must be measured with a colorimetric detector tube or perc (PCE) gas analyzer in the open space above the articles at the rear of the drycleaning machine drum immediately upon opening the dry cleaning machine door.
- On machines with vented carbon adsorbers, the perc concentration is measured weekly at the outlet vent of the carbon adsorber on the last machine cycle prior to desorption of the carbon adsorber. The perc concentration must be less than or equal to 100 ppm.
- The colorimetric detector tube or perc gas analyzer must be designed to measure a concentration of 300 parts per million by volume of perc in air with an accuracy of ± 75 parts per million by volume.
- At least once a month, the drycleaner is required to check all of the same components checked in the weekly perceptible leak inspection with either a halogenated hydrocarbon detector or perc gas analyzer that is operated according to the manufacturer's instructions.
- The leak checks must be conducted while the equipment is operating.
- The halogenated hydrocarbon detector and perc gas analyzer must be capable of detecting a perc concentration equal to or greater than 25 ppm.
- The dates and results of all inspections, monitoring and repairs must be recorded.

New Requirements for Dry Cleaners Located in Residential Buildings

EPA has strengthened the requirements for dry cleaning facilities located buildings in which people reside, such as a house, apartment condo or co-op. Because residences in these co-residential buildings are located very close to these dry cleaners, residents' exposures and potential health risks can be much higher than for typical facility.

Additional Requirements for Co-Residential Dry Cleaners	<p>Facilities with Machines Installed before December 21, 2005</p> <ul style="list-style-type: none">▪ May not use a transfer machine.▪ May continue to use an existing installed perc machine at the shop until it wears out but not beyond December 21, 2020.▪ May not relocate an existing perc machine from elsewhere to the shop. <p>Facilities with Machines Installed between December 21, 2005 and July 12, 2006</p> <ul style="list-style-type: none">▪ May not use a transfer machine.▪ May use an existing installed perc machine at the shop but only inside a vapor barrier enclosure with its exhaust system operating at all times the dry cleaning machine operates and during maintenance.▪ The door to the enclosure may only be open when a person is entering or leaving the enclosure.▪ The perc dry cleaning machine must have a refrigerated condenser and carbon adsorber (also called a "generation 4" machine).▪ May not use a perc machine on or after July 27, 2009. <p>Facilities with Machines Installed On or After July 13, 2006</p> <ul style="list-style-type: none">▪ May not use a perc machine.
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Leak Detection Monitoring

Perceptible – capable of being perceived by the senses (smell, touch and sight)

Halogenated hydrocarbon detector – a portable device that can detect perc to a level of 25 parts per million (ppm) by volume and signals that amount or greater by emitting a sound or visual signal (such as a light) that increases as the concentration of perc increased. Must be used by all small and large, existing and new drycleaners on a monthly basis.

Perc (PCE) gas analyzer – is either a flame ionization detector, photoionization detector, or infrared analyzer capable of measuring perc concentrations to 25 ppm by volume. May be used by small and large drycleaners for monthly leak detection inspection but this type of detector is mandatory for Major Source dry cleaners.

The dry cleaning trade associations, such as the International Fabricare Institute, National Cleaners Association, and MidAtlantic Association of Cleaners, may be able to help shops identify appropriate monitoring devices for purchase or rental.

2008 Notification of Compliance Status

**July 28, 2008
is an Important Date
for Dry Cleaners
to Remember**

Each owner or operator of a dry cleaning facility will have to submit to DEQ and EPA by July 28, 2008 by registered mail a Notification of Compliance Status providing the following information and signed by a responsible official certifying its accuracy:

- 1) The name and address of the owner or operator;
- 2) The address (the physical location) of the dry cleaning facility;
- 3) If your shop is located in a building with a residence(s), even if the residence is vacant at the time of this notification;
- 4) If your shop is located in a building with no other tenants, leased space, or owner occupants;
- 5) Whether your shop is a major or area source;
- 6) Your yearly PCE solvent consumption based upon the yearly solvent consumption calculated according to the federal requirements found in §63.323(d) of the Dry Cleaning Rule;
- 7) Your certification that you are in compliance with each of the applicable requirement of federal Dry Cleaning Rule found in §63.322.

If you have any questions regarding existing or new requirements, please contact the VA Small Business Assistance Program at 804-698-4394, or 1-800-592-5482.

Dry Cleaners Fact Sheet

Why Are EPA and Virginia Regulating Dry Cleaners?

The Clean Air Act of 1990 directed the United States Environmental Protection Agency (EPA) to regulate the emissions of 189 chemical compounds designated as Hazardous Air Pollutants (HAPs). The Perchloroethylene you use in your dry cleaning machine also known as "perc" is on this list of HAPs. Perc is the most commonly used chemical cleaning solvent by dry cleaners.

In September 1993, the EPA issued national regulations to control the air emissions of perc from dry cleaners. In 1999 Virginia passed its own regulation for perc dry cleaning operations.

As a result of these regulations, the Virginia Department of Environmental Quality (DEQ) has developed operational standards and control technology requirements to reduce air pollution from dry cleaning operations that use perc. Virginia's requirements are the same as the federal regulations.

Is My Business Affected?

It depends on the type of dry cleaning machine or machines that you use, when the machine was initially purchased and the amount of "perc" you have purchased each year.

First:

December 9, 1991 is an important date under the regulations. Whether a machine was initially purchased by this date will determine:

- If it is "existing" or "new" and
- What type of control devices (if any) are required.

Second:

If your facility has machines that were initially purchased before December 9, 1991 then you will be classified as an "existing" source.

If your facility has machines that were initially purchased on or after December 9, 1991, you will be classified as a "new" source. The chart on the next page will identify these classifications.

What Registration/Permits Do I Need?

Registration:

All dry cleaners are required to be registered with the Virginia Department of Environmental Quality (VADEQ). All dry cleaners are required to submit the Dry Cleaner's Notification Report Forms: Initial Notification Report Form (Pink), Compliance Report Form (Blue), and Pollution Prevention Report Form (Yellow). If you add machines, change-out machines, move your store, close your store, or change ownership you should notify the VADEQ regional office of the change within 30 days.

New Source Review Permits:

New Source Review permits (construction and operation permits) may be required depending on the size and classification of your dry cleaning store.

Title V Permit:

Only major sources are required to obtain a Title V Operating Permit. Small and large area sources do not need a Title V Operating Permit.

Major Source:

If your facility is a major source it is required to obtain a Title V Air Permit and a New Source Review Permit.

Exempt:

The following facilities are exempt:

- Dry cleaning facilities using petroleum solvents or synthetic solvents other than "perc"
- Coin operated dry cleaning facilities
- Drop off only stores

What Records Should I Keep?

Everyone must keep the following records:

- A "Perc" Log - Monthly record of all purchase receipts for perc. This is kept in order to determine the "perc" solvent used.
- A "condenser temperature" or "pressure reading log": For **dry-to-dry machines** with a refrigerated condenser - Keep a Weekly Record of the outlet temperature of your refrigerated condenser coil - this must be 45°F or lower. This record is kept to determine if the refrigerated condenser, your required control on dry-to-dry machines is working properly. If you are using pressure readings they must be in the ranges specified by the manufacturer in your manual. For **Transfer Systems** a refrigerated condenser is required on the washer. You must keep a Weekly Record of the temperature differential of the inlet condenser temperature and the outlet condenser temperature. It must be greater than or equal to 20°F.
- Perc concentration levels, Calibration records, and exhaust duct monitoring records on "perc" concentrations are required to be maintained weekly for transfer systems. This reading, done by using a calorimetric tube or a hydrocarbon detector, should be less than 100ppm.

All records should be kept by the **responsible official** and kept onsite for a minimum of five years. This calendar provides space for these records.

Depending on your classification:

- Operators of **large** dry cleaning machines are required to conduct weekly leak detection and make necessary repairs.
- Operators of **small** dry cleaning machines are required to conduct biweekly leak detection and make necessary repairs.

Leaks that are obvious to sight, smell, or touch, must be checked and repaired within 24 hours. During a leak check, findings should be recorded, and noted in the machine maintenance log on this calendar or on a form of your choice.

A **"Responsible Official"** is defined as one of the following:

- For a corporation: a president, secretary, treasurer, or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities;
- For a partnership: a general partner;
- For a sole proprietorship: the owner;

Are There Other Regulations That I Must Meet?

- All dry cleaners that use "perc" are required by federal and Virginia standards to handle any "perc" wastes (for example, cartridge filters) as a hazardous waste.
- Depending upon the amount of "perc" waste produced at your facility you can be classified as a hazardous waste generator in one of the following categories:
 - Conditionally exempt small quantity generator
 - A small quantity generator
 - A large quantity generator

Dry cleaners should obtain a hazardous waste generator identification number (EPA ID Number). This number is used to track the handling, transport, and disposal of "perc". This number can be obtained by contacting the DEQ Hazardous Waste Section at 1-800-592-5482 extension 4218.

For more information on Hazardous Waste and your requirements, contact Steve Frazier at 1-800-592-5482 extension 4199 or call (804) 698-4199.

Good Housekeeping Practices

- Good housekeeping practices should always be followed:
- Store all solvent and waste materials in containers, which are not affected by "perc" and are chemically un-reactive to "perc". These must be kept closed and marked as HAZARDOUS WASTE.
- Close and secure machine doors except during loading and unloading.
- Drain cartridge filters in their housings for at least a 24-hour period.
- Maintain the solvent-to-carbon ratio and steam pressure for carbon beds in accordance with the manufacturer's specifications.
- All containers holding "perc" waste should be kept with the lid on. This includes any cartridge filters or condensate wastes.
- All dry cleaning equipment should be operated and maintained according to the manufacturer's instructions found in the operation and maintenance manuals.

Confidential Help Available

If your business is affected and has not notified DEQ, contact the Small Business Assistance Program (SBAP) at 1-800-592-5482 or 804 698-4394 and ask for a Notification Report Form.

How Do I CLASSIFY My Facility? What CONTROLS Do I Need? What PERMITS Do I Need?

Store Classification	Types of Machines and Perc Usage Per Year	Controls Required	Leak Detection Monitoring Required	Reports / Permits Required
Existing Small Area Source (machines initially purchased prior to December 9, 1991)	dry-to-dry only: less than 140 gals transfer only: less than 200 gals both types: less than 140 gals	No Controls Are Required	Monthly: halogenated hydrocarbon detector Every 2 Weeks: perceptible leak check (smell, touch, sight)	1. Registration required. Submit Notification Report Forms. DEQ will provide a facility registration number.
Existing Large Area Source (machines initially purchased prior to December 9, 1991)	dry-to-dry only: 140 gals up to 2,100 gals transfer only: 200 gals up to 1,800 gals both types: 140 gals up to 1,800 gals	Refrigerated Condenser Or Existing Carbon Absorber (if installed before September 22, 1993)	Monthly: halogenated hydrocarbon detector Weekly: perceptible leak check (smell)	1. Registration required. Submit Notification Report Forms. DEQ will provide a facility registration number. 2. New Source Review Permit may be required.
New Small Area Source (machines initially purchased on or after December 9, 1991)	dry-to-dry only: less than 140 gals transfer only: less than 200 gals both types: less than 140 gals	Refrigerated Condenser	Monthly: halogenated hydrocarbon detector Every 2 Weeks: perceptible leak check (smell)	1. Registration required. Submit Notification Report Forms. DEQ will provide a facility registration number.
New Large Area Source (machines initially purchased on or after December 9, 1991)	dry-to-dry only: 140 gals up to 2,100 gals transfer only: 200 gals up to 1,800 gals both types: 140 gals up to 1,800 gals	Refrigerated Condenser	Monthly: halogenated hydrocarbon detector Weekly: perceptible leak check (smell)	1. Registration required. Submit Notification Report Forms. DEQ will provide a facility registration number. 2. New Source Review Permit may be required.
Major Source (Date purchased or installed does not make any difference in determination of this category)	dry-to-dry only: 2,100 gals or more transfer only: 1,800 gals or more both types: 1,800 gals or more	Refrigerated Condenser + Room Enclosure + Carbon Absorber	Monthly: Perc (PCE) gas analyzer Weekly: Perceptible leak check (smell)	1. New Source Review Permit required. 2. Title V Permit Required.

New Requirement Effective July 27, 2006:

As indicated in the above table, the new rule requires regular leak detection monitoring.
If you have any questions regarding the new requirements, please contact the VA SBAP at 804-698-4394, or 1-800-592-5482.

How Do I Use the Monthly Calendars?

General Instructions: You may use this calendar to keep records required by the Virginia Department of Environmental Quality Regulation 9VAC5-60-100 - Designated Emission Standards for Perchloroethylene Dry Cleaning Facilities. Virginia's requirements are the same as those of the Federal EPA Regulations found in 40 CFR 63.320 through 40 CFR 63.325 Subpart M--Perchloroethylene Dry Cleaning Facilities. This calendar should satisfy record-keeping requirements for both regulations. Keep these records at your facility for **5 years**.

INSPECTIONS – Weekly Dry Cleaning Equipment Inspections

- If you buy **140 gallons or more** of PERC per year, you must check your machine weekly for leaks and record the results.
- If you buy **less than 140 gallons** of PERC per year, you must conduct and record leak inspections at least every other week.
- Record the results of the inspections on the calendar. **If leaks are found**, they must be repaired within 24 hours. Indicate in the DATE REPAIRED block when repairs are completed. If parts must be purchased, indicate the dates they are ordered and the date Installed. **Parts must be ordered within 2 working days of leak detection and installed within 5 working days of receipt.**

Temperature Log – Refrigerated Condenser Monitoring Log:

Dry-to-Dry Machines: Check the outlet temperature of the refrigerated condenser every week. Record the temperature and date in the space provided in the block marked **Is temp less than or equal to 45° F (7.2° C)?** check **Y** for yes or **N** for no. **If you checked N, the machine must be repaired.**

Transfer System Washers: Measure the inlet and outlet temperatures of the gas-vapor stream of the refrigerated condenser with temperature sensors. The difference between the inlet and outlet temperature must be greater than or equal to 20° F. Record the temperature and date in the space provided in the block marked **Is temp greater than or equal to 20° F (11.1° C)?** check **Y** for yes or **N** for no. **If you checked N, the machine must be repaired.**

Perc Purchases Running Total

Total From Last Month		55
Subtract Perc Purchased in JULY 2006		-10
Subtotal		45
Purchase Date	Purchase Amount	12 Month Running Total
7/12	+ 15	60
	+	

Enter running total from last month.

Enter the amount of PERC you bought during this same month last year, from last year's records or calendar.
Subtract that amount.

This is your 12-month running total if you do not buy PERC

This is your 12-month running total if you bought PERC this month. Record the bottom number in this column on next month's form in line **TOTAL FROM LAST MONTH**.

Record the date you bought PERC this month, if any.

If you bought PERC this month, record the amount and add it to the subtotal. This amount will also go on next year's calendar for this same month under **SUBTRACT PERC PURCHASED**.

January 2007

Weekly Dry Cleaning Equipment Inspections						
Date						
Staff Initials						
Are the following components without leaks? (Circle Y for Yes, N for No)						
Method (choose one) Circle P for Feel, Sight or Smell, or D for Detector		P D	P D	P D	P D	P D
WASH CYCLE	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Pumps	Y N	Y N	Y N	Y N	Y N
	Button Trap	Y N	Y N	Y N	Y N	Y N
	Filter housings	Y N	Y N	Y N	Y N	Y N
	Filter gaskets and seatings	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
DRY CYCLE	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Deodorizing and aeration valves on dryers	Y N	Y N	Y N	Y N	Y N
	Air and exhaust ductwork	Y N	Y N	Y N	Y N	Y N
	Heating and cooling coil doors	Y N	Y N	Y N	Y N	Y N
	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Lint Trap	Y N	Y N	Y N	Y N	Y N
DISTILLATION/ US MISCELLANEO	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Distillation unit	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
	Muck cookers	Y N	Y N	Y N	Y N	Y N
Waste tanks and storage containers	Y N	Y N	Y N	Y N	Y N	

Refrigerated Condenser Monitoring Log						
Week	1	2	3	4	5	
Record pressures of the high and low pressure gages, or the refrigerated condenser outlet temperature						
Are pressure gauges within the ranges specified in the manual, or the temperature $\leq 45^{\circ}\text{F}$?	Y N	Y N	Y N	Y N	Y N	
Record the inlet temperature weekly						
Record the outlet temperature weekly						
Calculate the difference (inlet – outlet)						
Is the difference $\geq 20^{\circ}\text{F}$	Y N	Y N	Y N	Y N	Y N	

Perc Purchases Running Total		
Total From Last Month		
Subtract Perc Purchased in JANUARY 2006		-
Subtotal		
Purchase Date	Purchase Amount	12 Month Running Total
	+	
	+	

Repair Log	
Date	Description of Repair

Waste General/Treatment Log			
Waste Type	Date	Amount	Units
Still Bottom/Muck			pounds
Lint Filter			pounds
Atom/Mister Filter			pounds
Contact/Sep. Water			gallons

APC Secondary Carbon Adsorber Monitoring						
Week	1	2	3	4	5	
Is Perc concentration less than 100 PPM? (for machines that vent to carbon adsorbers immediately upon machine door opening)	Y N	Y N	Y N	Y N	Y N	
Is Perc concentration less than 300 PPM? (for machines that vent to carbon adsorbers prior to machine door opening)	Y N	Y N	Y N	Y N	Y N	



January 2007



Virginia Small Business
Assistance Program
"Serving Business and the Environment"

Dry Cleaner Compliance Calendar

S	M	T	W	T	F	S
	1	2	3	4	5 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	6
Reminder: perform monthly perc leak detection test. Perc leak tests must be performed with a halogenated hydrocarbon detector.						
7	8	9	10	11	12 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	13
14	15	16	17	18	19 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	20
21	22	23	24	25	26 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	27
28	29	30	31			

Financing is available to help reduce perc usage, or change out a perc machine to an environmentally favorable dry cleaning technology.
For information about the Virginia Small Business Environmental Compliance Assistance Loan, contact VA SBAP at 1-800-592-5482.

February 2007

Weekly Dry Cleaning Equipment Inspections						
Date						
Staff Initials						
Are the following components without leaks? (Circle Y for Yes, N for No)						
Method (choose one) Circle P for Feel, Sight or Smell, or D for Detector		P D	P D	P D	P D	P D
WASH CYCLE	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Pumps	Y N	Y N	Y N	Y N	Y N
	Button Trap	Y N	Y N	Y N	Y N	Y N
	Filter housings	Y N	Y N	Y N	Y N	Y N
	Filter gaskets and seatings	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
DRY CYCLE	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Deodorizing and aeration valves on dryers	Y N	Y N	Y N	Y N	Y N
	Air and exhaust ductwork	Y N	Y N	Y N	Y N	Y N
	Heating and cooling coil doors	Y N	Y N	Y N	Y N	Y N
	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Lint Trap	Y N	Y N	Y N	Y N	Y N
DISTILLATION/ US MISCELLANEO	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Distillation unit	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
	Muck cookers	Y N	Y N	Y N	Y N	Y N
Waste tanks and storage containers	Y N	Y N	Y N	Y N	Y N	

Refrigerated Condenser Monitoring Log					
Week	1	2	3	4	5
Record pressures of the high and low pressure gages, or the refrigerated condenser outlet temperature					
Are pressure gauges within the ranges specified in the manual, or the temperature $\leq 45^{\circ}\text{F}$?	Y N	Y N	Y N	Y N	Y N
Record the inlet temperature weekly					
Record the outlet temperature weekly					
Calculate the difference (inlet – outlet)					
Is the difference $\geq 20^{\circ}\text{F}$	Y N	Y N	Y N	Y N	Y N

Perc Purchases Running Total		
Total From Last Month		
Subtract Perc Purchased FEBRUARY 2006		-
Subtotal		
Purchase Date	Purchase Amount	12 Month Running Total
	+	
	+	

Repair Log	
Date	Description of Repair

Waste Generation/Treatment Log			
Waste Type	Date	Amount	Units
Still Bottom/Muck			pounds
Lint Filter			pounds
Atom/Mister Filter			pounds
Contact/Sep. Water			gallons

APC Secondary Carbon Adsorber Monitoring					
Week	1	2	3	4	5
Is Perc concentration less than 100 PPM? (for machines that vent to carbon adsorbers immediately upon machine door opening)	Y N	Y N	Y N	Y N	Y N
Is Perc concentration less than 300 PPM? (for machines that vent to carbon adsorbers prior to machine door opening)	Y N	Y N	Y N	Y N	Y N



February 2007



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S	M	T	W	T	F	S
<div> Reminder: perform monthly perc leak detection test. Perc leak tests must be performed with a halogenated hydrocarbon detector. </div>				1	2 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	3
4	5	6	7	8	9 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	10
11	12	13	14	15	16 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	17
18	19	20	21	22	23 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	24
25	26	27	28			

Financing is available to help reduce perc usage, or change out a perc machine to an environmentally favorable dry cleaning technology.
For information about the Virginia Small Business Environmental Compliance Assistance Loan, contact VA SBAP at 1-800-592-5482.

March 2007

Weekly Dry Cleaning Equipment Inspections						
Date						
Staff Initials						
Are the following components without leaks? (Circle Y for Yes, N for No)						
Method (choose one) Circle P for Feel, Sight or Smell, or D for Detector		P D	P D	P D	P D	P D
WASH CYCLE	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Pumps	Y N	Y N	Y N	Y N	Y N
	Button Trap	Y N	Y N	Y N	Y N	Y N
	Filter housings	Y N	Y N	Y N	Y N	Y N
	Filter gaskets and seatings	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
DRY CYCLE	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Deodorizing and aeration valves on dryers	Y N	Y N	Y N	Y N	Y N
	Air and exhaust ductwork	Y N	Y N	Y N	Y N	Y N
	Heating and cooling coil doors	Y N	Y N	Y N	Y N	Y N
	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Lint Trap	Y N	Y N	Y N	Y N	Y N
DISTILLATION/ US MISCELLANEO	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Distillation unit	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
	Muck cookers	Y N	Y N	Y N	Y N	Y N
Waste tanks and storage containers	Y N	Y N	Y N	Y N	Y N	

Refrigerated Condenser Monitoring Log					
Week	1	2	3	4	5
Record pressures of the high and low pressure gages, or the refrigerated condenser outlet temperature					
Are pressure gauges within the ranges specified in the manual, or the temperature $\leq 45^{\circ}\text{F}$?	Y N	Y N	Y N	Y N	Y N
Record the inlet temperature weekly					
Record the outlet temperature weekly					
Calculate the difference (inlet – outlet)					
Is the difference $\geq 20^{\circ}\text{F}$	Y N	Y N	Y N	Y N	Y N

Perc Purchases Running Total		
Total From Last Month		
Subtract Perc Purchased January 2006		-
Subtotal		
Purchase Date	Purchase Amount	12 Month Running Total
	+	
	+	

Repair Log	
Date	Description of Repair

Waste Generation / Treatment Log			
Waste Type	Date	Amount	Units
Still Bottom/Muck			pounds
Lint Filter			pounds
Atom/Mister Filter			pounds
Contact/Sep. Water			gallons

APC Secondary Carbon Adsorber Monitoring					
Week	1	2	3	4	5
Is Perc concentration less than 100 PPM? (for machines that vent to carbon adsorbers immediately upon machine door opening)	Y N	Y N	Y N	Y N	Y N
Is Perc concentration less than 300 PPM? (for machines that vent to carbon adsorbers prior to machine door opening)	Y N	Y N	Y N	Y N	Y N



March 2007



Virginia Small Business
Assistance Program
"Serving Business and the Environment"

Dry Cleaner Compliance Calendar

S	M	T	W	T	F	S
<div style="border: 1px solid black; padding: 5px;"> Reminder: perform monthly perc leak detection test. Perc leak tests must be performed with a halogenated hydrocarbon detector. </div>				1	2 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	3
4	5	6	7	8	9 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	10
11	12	13	14	15	16 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	17
18	19	20	21	22	23 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	24
25	26	27	28	29	30 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	31

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April 2007

Weekly Dry Cleaning Equipment Inspections						
Date						
Staff Initials						
Are the following components without leaks? (Circle Y for Yes, N for No)						
Method (choose one) Circle P for Feel, Sight or Smell, or D for Detector		P D	P D	P D	P D	P D
WASH CYCLE	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Pumps	Y N	Y N	Y N	Y N	Y N
	Button Trap	Y N	Y N	Y N	Y N	Y N
	Filter housings	Y N	Y N	Y N	Y N	Y N
	Filter gaskets and seatings	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
DRY CYCLE	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Deodorizing and aeration valves on dryers	Y N	Y N	Y N	Y N	Y N
	Air and exhaust ductwork	Y N	Y N	Y N	Y N	Y N
	Heating and cooling coil doors	Y N	Y N	Y N	Y N	Y N
	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Lint Trap	Y N	Y N	Y N	Y N	Y N
DISTILLATION/ US MISCELLANEO	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Distillation unit	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
	Muck cookers	Y N	Y N	Y N	Y N	Y N
Waste tanks and storage containers	Y N	Y N	Y N	Y N	Y N	

Refrigerated Condenser Monitoring Log					
Week	1	2	3	4	5
Record pressures of the high and low pressure gages, or the refrigerated condenser outlet temperature					
Are pressure gauges within the ranges specified in the manual, or the temperature $\leq 45^{\circ}\text{F}$?	Y N	Y N	Y N	Y N	Y N
Record the inlet temperature weekly					
Record the outlet temperature weekly					
Calculate the difference (inlet – outlet)					
Is the difference $\geq 20^{\circ}\text{F}$	Y N	Y N	Y N	Y N	Y N

Perc Purchases Running Total		
Total From Last Month		
Subtract Perc Purchased January 2006	-	
Subtotal		
Purchase Date	Purchase Amount	12 Month Running Total
	+	
	+	

Repair Log	
Date	Description of Repair

Waste Generation / Treatment Log			
Waste Type	Date	Amount	Units
Still Bottom/Muck			pounds
Lint Filter			pounds
Atom/Mister Filter			pounds
Contact/Sep. Water			gallons

APC Secondary Carbon Adsorber Monitoring					
Week	1	2	3	4	5
Is Perc concentration less than 100 PPM? (for machines that vent to carbon adsorbers immediately upon machine door opening)	Y N	Y N	Y N	Y N	Y N
Is Perc concentration less than 300 PPM? (for machines that vent to carbon adsorbers prior to machine door opening)	Y N	Y N	Y N	Y N	Y N



April 2007

Dry Cleaner Compliance Calendar

S	M	T	W	T	F	S
1	2	3	4	5	6 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	7
Reminder: perform monthly perc leak detection test. Perc leak tests must be performed with a halogenated hydrocarbon detector.						
8	9	10	11	12	13 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	14
15	16	17	18	19	20 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	21
22	23	24	25	26	27 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	28
29	30					

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May 2007

Weekly Dry Cleaning Equipment Inspections						
Date						
Staff Initials						
Are the following components without leaks? (Circle Y for Yes, N for No)						
Method (choose one) Circle P for Feel, Sight or Smell, or D for Detector		P D	P D	P D	P D	P D
WASH CYCLE	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Pumps	Y N	Y N	Y N	Y N	Y N
	Button Trap	Y N	Y N	Y N	Y N	Y N
	Filter housings	Y N	Y N	Y N	Y N	Y N
	Filter gaskets and seatings	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
DRY CYCLE	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Deodorizing and aeration valves on dryers	Y N	Y N	Y N	Y N	Y N
	Air and exhaust ductwork	Y N	Y N	Y N	Y N	Y N
	Heating and cooling coil doors	Y N	Y N	Y N	Y N	Y N
	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Lint Trap	Y N	Y N	Y N	Y N	Y N
DISTILLATION/ US MISCELLANEO	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Distillation unit	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
	Muck cookers	Y N	Y N	Y N	Y N	Y N
	Waste tanks and storage containers	Y N	Y N	Y N	Y N	Y N

Refrigerated Condenser Monitoring Log					
Week	1	2	3	4	5
Record pressures of the high and low pressure gages, or the refrigerated condenser outlet temperature					
Are pressure gauges within the ranges specified in the manual, or the temperature $\leq 45^{\circ}\text{F}$?	Y N	Y N	Y N	Y N	Y N
Record the inlet temperature weekly					
Record the outlet temperature weekly					
Calculate the difference (inlet – outlet)					
Is the difference $\geq 20^{\circ}\text{F}$	Y N	Y N	Y N	Y N	Y N

Perc Purchases Running Total		
Total From Last Month		
Subtract Perc Purchased MAY 2006		-
Subtotal		
Purchase Date	Purchase Amount	12 Month Running Total
	+	
	+	

Repair Log	
Date	Description of Repair

Waste Generation / Treatment Log			
Waste Type	Date	Amount	Units
Still Bottom/Muck			pounds
Lint Filter			pounds
Atom/Mister Filter			pounds
Contact/Sep. Water			gallons

APC Secondary Carbon Adsorber Monitoring					
Week	1	2	3	4	5
Is Perc concentration less than 100 PPM? (for machines that vent to carbon adsorbers immediately upon machine door opening)	Y N	Y N	Y N	Y N	Y N
Is Perc concentration less than 300 PPM? (for machines that vent to carbon adsorbers prior to machine door opening)	Y N	Y N	Y N	Y N	Y N



May 2007



Virginia Small Business
Assistance Program
"Serving Business and the Environment"

Dry Cleaner Compliance Calendar

S	M	T	W	T	F	S
		1	2	3	4 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	5
<div style="border: 1px solid black; padding: 5px;"> <p>Reminder: perform monthly perc leak detection test. Perc leak tests must be performed with a halogenated hydrocarbon detector.</p> </div>						
6	7	8	9	10	11 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	12
13	14	15	16	17	18 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	19
20	21	22	23	24	25 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	26
27	28	29	30	31		

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June 2007

Weekly Dry Cleaning Equipment Inspections						
Date						
Staff Initials						
Are the following components without leaks? (Circle Y for Yes, N for No)						
Method (choose one) Circle P for Feel, Sight or Smell, or D for Detector		P D	P D	P D	P D	P D
WASH CYCLE	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Pumps	Y N	Y N	Y N	Y N	Y N
	Button Trap	Y N	Y N	Y N	Y N	Y N
	Filter housings	Y N	Y N	Y N	Y N	Y N
	Filter gaskets and seatings	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
DRY CYCLE	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Deodorizing and aeration valves on dryers	Y N	Y N	Y N	Y N	Y N
	Air and exhaust ductwork	Y N	Y N	Y N	Y N	Y N
	Heating and cooling coil doors	Y N	Y N	Y N	Y N	Y N
	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Lint Trap	Y N	Y N	Y N	Y N	Y N
DISTILLATION/ US MISCELLANEO	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Distillation unit	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
	Muck cookers	Y N	Y N	Y N	Y N	Y N
Waste tanks and storage containers	Y N	Y N	Y N	Y N	Y N	

Refrigerated Condenser Monitoring Log					
Week	1	2	3	4	5
Record pressures of the high and low pressure gages, or the refrigerated condenser outlet temperature					
Are pressure gauges within the ranges specified in the manual, or the temperature $\leq 45^{\circ}\text{F}$?	Y N	Y N	Y N	Y N	Y N
Record the inlet temperature weekly					
Record the outlet temperature weekly					
Calculate the difference (inlet – outlet)					
Is the difference $\geq 20^{\circ}\text{F}$	Y N	Y N	Y N	Y N	Y N

Perc Purchases Running Total		
Total From Last Month		
Subtract Perc Purchased JUNE 2006		-
Subtotal		
Purchase Date	Purchase Amount	12 Month Running Total
	+	
	+	

Repair Log	
Date	Description of Repair

Waste Generation / Treatment Log			
Waste Type	Date	Amount	Units
Still Bottom/Muck			pounds
Lint Filter			pounds
Atom/Mister Filter			pounds
Contact/Sep. Water			gallons

APC Secondary Carbon Adsorber Monitoring					
Week	1	2	3	4	5
Is Perc concentration less than 100 PPM? (for machines that vent to carbon adsorbers immediately upon machine door opening)	Y N	Y N	Y N	Y N	Y N
Is Perc concentration less than 300 PPM? (for machines that vent to carbon adsorbers prior to machine door opening)	Y N	Y N	Y N	Y N	Y N



June 2007



Virginia Small Business
Assistance Program
"Serving Business and the Environment"

Dry Cleaner Compliance Calendar

S	M	T	W	T	F	S
<div> Reminder: perform monthly perc leak detection test. Perc leak tests must be performed with a halogenated hydrocarbon detector. </div>					1 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	2
3	4	5	6	7	8 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	9
10	11	12	13	14	15 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	16
17	18	19	20	21	22 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	23
24	25	26	27	28	29 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	30

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July 2007

Weekly Dry Cleaning Equipment Inspections						
Date						
Staff Initials						
Are the following components without leaks? (Circle Y for Yes, N for No)						
Method (choose one) Circle P for Feel, Sight or Smell, or D for Detector		P D	P D	P D	P D	P D
WASH CYCLE	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Pumps	Y N	Y N	Y N	Y N	Y N
	Button Trap	Y N	Y N	Y N	Y N	Y N
	Filter housings	Y N	Y N	Y N	Y N	Y N
	Filter gaskets and seatings	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
DRY CYCLE	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Deodorizing and aeration valves on dryers	Y N	Y N	Y N	Y N	Y N
	Air and exhaust ductwork	Y N	Y N	Y N	Y N	Y N
	Heating and cooling coil doors	Y N	Y N	Y N	Y N	Y N
	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Lint Trap	Y N	Y N	Y N	Y N	Y N
DISTILLATION/ US MISCELLANEO	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Distillation unit	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
	Muck cookers	Y N	Y N	Y N	Y N	Y N
Waste tanks and storage containers	Y N	Y N	Y N	Y N	Y N	

Refrigerated Condenser Monitoring Log					
Week	1	2	3	4	5
Record pressures of the high and low pressure gages, or the refrigerated condenser outlet temperature					
Are pressure gauges within the ranges specified in the manual, or the temperature $\leq 45^{\circ}\text{F}$?	Y N	Y N	Y N	Y N	Y N
Record the inlet temperature weekly					
Record the outlet temperature weekly					
Calculate the difference (inlet – outlet)					
Is the difference $\geq 20^{\circ}\text{F}$	Y N	Y N	Y N	Y N	Y N

Perc Purchases Running Total		
Total From Last Month		
Subtract Perc Purchased JULY 2006		-
Subtotal		
Purchase Date	Purchase Amount	12 Month Running Total
	+	
	+	

Repair Log	
Date	Description of Repair

Waste Generation / Treatment Log			
Waste Type	Date	Amount	Units
Still Bottom/Muck			pounds
Lint Filter			pounds
Atom/Mister Filter			pounds
Contact/Sep. Water			gallons

APC Secondary Carbon Adsorber Monitoring					
Week	1	2	3	4	5
Is Perc concentration less than 100 PPM? (for machines that vent to carbon adsorbers immediately upon machine door opening)	Y N	Y N	Y N	Y N	Y N
Is Perc concentration less than 300 PPM? (for machines that vent to carbon adsorbers prior to machine door opening)	Y N	Y N	Y N	Y N	Y N



July 2007



Virginia Small Business
Assistance Program
"Serving Business and the Environment"

Dry Cleaner Compliance Calendar

S	M	T	W	T	F	S
1	2	3	4	5	6 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	7
<div> Reminder: perform monthly perc leak detection test. Perc leak tests must be performed with a halogenated hydrocarbon detector. </div>						
8	9	10	11	12	13 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	14
15	16	17	18	19	20 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	21
22	23	24	25	26	27 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	28
29	30	31				

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August 2007

Weekly Dry Cleaning Equipment Inspections						
Date						
Staff Initials						
Are the following components without leaks? (Circle Y for Yes, N for No)						
Method (choose one) Circle P for Feel, Sight or Smell, or D for Detector		P D	P D	P D	P D	P D
WASH CYCLE	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Pumps	Y N	Y N	Y N	Y N	Y N
	Button Trap	Y N	Y N	Y N	Y N	Y N
	Filter housings	Y N	Y N	Y N	Y N	Y N
	Filter gaskets and seatings	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
DRY CYCLE	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Deodorizing and aeration valves on dryers	Y N	Y N	Y N	Y N	Y N
	Air and exhaust ductwork	Y N	Y N	Y N	Y N	Y N
	Heating and cooling coil doors	Y N	Y N	Y N	Y N	Y N
	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Lint Trap	Y N	Y N	Y N	Y N	Y N
DISTILLATION/ US MISCELLANEO	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Distillation unit	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
	Muck cookers	Y N	Y N	Y N	Y N	Y N
Waste tanks and storage containers	Y N	Y N	Y N	Y N	Y N	

Refrigerated Condenser Monitoring Log					
Week	1	2	3	4	5
Record pressures of the high and low pressure gages, or the refrigerated condenser outlet temperature					
Are pressure gauges within the ranges specified in the manual, or the temperature $\leq 45^{\circ}\text{F}$?	Y N	Y N	Y N	Y N	Y N
Record the inlet temperature weekly					
Record the outlet temperature weekly					
Calculate the difference (inlet – outlet)					
Is the difference $\geq 20^{\circ}\text{F}$	Y N	Y N	Y N	Y N	Y N

Perc Purchases Running Total		
Total From Last Month		
Subtract Perc Purchased AUGUST 2006		-
Subtotal		
Purchase Date	Purchase Amount	12 Month Running Total
	+	
	+	

Repair Log	
Date	Description of Repair

Waste Generation / Treatment Log			
Waste Type	Date	Amount	Units
Still Bottom/Muck			pounds
Lint Filter			pounds
Atom/Mister Filter			pounds
Contact/Sep. Water			gallons

APC Secondary Carbon Adsorber Monitoring					
Week	1	2	3	4	5
Is Perc concentration less than 100 PPM? (for machines that vent to carbon adsorbers immediately upon machine door opening)	Y N	Y N	Y N	Y N	Y N
Is Perc concentration less than 300 PPM? (for machines that vent to carbon adsorbers prior to machine door opening)	Y N	Y N	Y N	Y N	Y N



August 2007



Virginia Small Business
Assistance Program
"Serving Business and the Environment"

Dry Cleaner Compliance Calendar

S	M	T	W	T	F	S
			1	2	3 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	4
Reminder: perform monthly perc leak detection test. Perc leak tests must be performed with a halogenated hydrocarbon detector.						
5	6	7	8	9	10 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	11
12	13	14	15	16	17 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	18
19	20	21	22	23	24 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	25
26	27	28	29	30	31 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	

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September 2007

Weekly Dry Cleaning Equipment Inspections						
Date						
Staff Initials						
Are the following components without leaks? (Circle Y for Yes, N for No)						
Method (choose one) Circle P for Feel, Sight or Smell, or D for Detector		P D	P D	P D	P D	P D
WASH CYCLE	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Pumps	Y N	Y N	Y N	Y N	Y N
	Button Trap	Y N	Y N	Y N	Y N	Y N
	Filter housings	Y N	Y N	Y N	Y N	Y N
	Filter gaskets and seatings	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
DRY CYCLE	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Deodorizing and aeration valves on dryers	Y N	Y N	Y N	Y N	Y N
	Air and exhaust ductwork	Y N	Y N	Y N	Y N	Y N
	Heating and cooling coil doors	Y N	Y N	Y N	Y N	Y N
	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Lint Trap	Y N	Y N	Y N	Y N	Y N
DISTILLATION/ US MISCELLANEO	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Distillation unit	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
	Muck cookers	Y N	Y N	Y N	Y N	Y N
Waste tanks and storage containers	Y N	Y N	Y N	Y N	Y N	

Refrigerated Condenser Monitoring Log					
Week	1	2	3	4	5
Record pressures of the high and low pressure gages, or the refrigerated condenser outlet temperature					
Are pressure gauges within the ranges specified in the manual, or the temperature $\leq 45^{\circ}\text{F}$?	Y N	Y N	Y N	Y N	Y N
Record the inlet temperature weekly					
Record the outlet temperature weekly					
Calculate the difference (inlet – outlet)					
Is the difference $\geq 20^{\circ}\text{F}$	Y N	Y N	Y N	Y N	Y N

Perc Purchases Running Total		
Total From Last Month		
Subtract Perc Purchased SEPTEMBER 2006		-
Subtotal		
Purchase Date	Purchase Amount	12 Month Running Total
	+	
	+	

Repair Log	
Date	Description of Repair

Waste Generation / Treatment Log			
Waste Type	Date	Amount	Units
Still Bottom/Muck			pounds
Lint Filter			pounds
Atom/Mister Filter			pounds
Contact/Sep. Water			gallons

APC Secondary Carbon Adsorber Monitoring					
Week	1	2	3	4	5
Is Perc concentration less than 100 PPM? (for machines that vent to carbon adsorbers immediately upon machine door opening)	Y N	Y N	Y N	Y N	Y N
Is Perc concentration less than 300 PPM? (for machines that vent to carbon adsorbers prior to machine door opening)	Y N	Y N	Y N	Y N	Y N



September 2007

Dry Cleaner Compliance Calendar



Virginia Small Business
Assistance Program
"Serving Business and the Environment"

S	M	T	W	T	F	
<div> Reminder: perform monthly perc leak detection test. Perc leak tests must be performed with a halogenated hydrocarbon detector. </div>						1
2	3	4	5	6	7 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	8
9	10	11	12	13	14 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	15
16	17	18	19	20	21 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	22
23	24	25	26	27	28 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	29
30						

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October 2007

Weekly Dry Cleaning Equipment Inspections						
Date						
Staff Initials						
Are the following components without leaks? (Circle Y for Yes, N for No)						
Method (choose one) Circle P for Feel, Sight or Smell, or D for Detector		P D	P D	P D	P D	P D
WASH CYCLE	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Pumps	Y N	Y N	Y N	Y N	Y N
	Button Trap	Y N	Y N	Y N	Y N	Y N
	Filter housings	Y N	Y N	Y N	Y N	Y N
	Filter gaskets and seatings	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
DRY CYCLE	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Deodorizing and aeration valves on dryers	Y N	Y N	Y N	Y N	Y N
	Air and exhaust ductwork	Y N	Y N	Y N	Y N	Y N
	Heating and cooling coil doors	Y N	Y N	Y N	Y N	Y N
	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Lint Trap	Y N	Y N	Y N	Y N	Y N
DISTILLATION/ US MISCELLANEO	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Distillation unit	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
	Muck cookers	Y N	Y N	Y N	Y N	Y N
Waste tanks and storage containers	Y N	Y N	Y N	Y N	Y N	

Refrigerated Condenser Monitoring Log					
Week	1	2	3	4	5
Record pressures of the high and low pressure gages, or the refrigerated condenser outlet temperature					
Are pressure gauges within the ranges specified in the manual, or the temperature $\leq 45^{\circ}\text{F}$?	Y N	Y N	Y N	Y N	Y N
Record the inlet temperature weekly					
Record the outlet temperature weekly					
Calculate the difference (inlet – outlet)					
Is the difference $\geq 20^{\circ}\text{F}$	Y N	Y N	Y N	Y N	Y N

Perc Purchases Running Total		
Total From Last Month		
Subtract Perc Purchased OCTOBER 2006		-
Subtotal		
Purchase Date	Purchase Amount	12 Month Running Total
	+	
	+	

Repair Log	
Date	Description of Repair

Waste Generation / Treatment Log			
Waste Type	Date	Amount	Units
Still Bottom/Muck			pounds
Lint Filter			pounds
Atom/Mister Filter			pounds
Contact/Sep. Water			gallons

APC Secondary Carbon Adsorber Monitoring					
Week	1	2	3	4	5
Is Perc concentration less than 100 PPM? (for machines that vent to carbon adsorbers immediately upon machine door opening)	Y N	Y N	Y N	Y N	Y N
Is Perc concentration less than 300 PPM? (for machines that vent to carbon adsorbers prior to machine door opening)	Y N	Y N	Y N	Y N	Y N



October 2007



Virginia Small Business
Assistance Program
"Serving Business and the Environment"

Dry Cleaner Compliance Calendar

S	M	T	W	T	F	S
	1	2	3	4	5 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	6
<div> Reminder: perform monthly perc leak detection test. Perc leak tests must be performed with a halogenated hydrocarbon detector. </div>						
7	8	9	10	11	12 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	13
14	15	16	17	18	19 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	20
21	22	23	24	25	26 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	27
28	29	30	31			

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November 2007

Weekly Dry Cleaning Equipment Inspections						
Date						
Staff Initials						
Are the following components without leaks? (Circle Y for Yes, N for No)						
Method (choose one) Circle P for Feel, Sight or Smell, or D for Detector		P D	P D	P D	P D	P D
WASH CYCLE	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Pumps	Y N	Y N	Y N	Y N	Y N
	Button Trap	Y N	Y N	Y N	Y N	Y N
	Filter housings	Y N	Y N	Y N	Y N	Y N
	Filter gaskets and seatings	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
DRY CYCLE	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Deodorizing and aeration valves on dryers	Y N	Y N	Y N	Y N	Y N
	Air and exhaust ductwork	Y N	Y N	Y N	Y N	Y N
	Heating and cooling coil doors	Y N	Y N	Y N	Y N	Y N
	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Lint Trap	Y N	Y N	Y N	Y N	Y N
DISTILLATION/ US MISCELLANEO	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Distillation unit	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
	Muck cookers	Y N	Y N	Y N	Y N	Y N
Waste tanks and storage containers	Y N	Y N	Y N	Y N	Y N	

Refrigerated Condenser Monitoring Log					
Week	1	2	3	4	5
Record pressures of the high and low pressure gages, or the refrigerated condenser outlet temperature					
Are pressure gauges within the ranges specified in the manual, or the temperature $\leq 45^{\circ}\text{F}$?	Y N	Y N	Y N	Y N	Y N
Record the inlet temperature weekly					
Record the outlet temperature weekly					
Calculate the difference (inlet – outlet)					
Is the difference $\geq 20^{\circ}\text{F}$	Y N	Y N	Y N	Y N	Y N

Perc Purchases Running Total		
Total From Last Month		
Subtract Perc Purchased NOVEMBER 2006		-
Subtotal		
Purchase Date	Purchase Amount	12 Month Running Total
	+	
	+	

Repair Log	
Date	Description of Repair

Waste Generation / Treatment Log			
Waste Type	Date	Amount	Units
Still Bottom/Muck			pounds
Lint Filter			pounds
Atom/Mister Filter			pounds
Contact/Sep. Water			gallons

APC Secondary Carbon Adsorber Monitoring					
Week	1	2	3	4	5
Is Perc concentration less than 100 PPM? (for machines that vent to carbon adsorbers immediately upon machine door opening)	Y N	Y N	Y N	Y N	Y N
Is Perc concentration less than 300 PPM? (for machines that vent to carbon adsorbers prior to machine door opening)	Y N	Y N	Y N	Y N	Y N



November 2007



Virginia Small Business
Assistance Program
"Serving Business and the Environment"

Dry Cleaner Compliance Calendar

S	M	T	W	T	F	S
<div style="border: 1px solid black; padding: 5px;"> Reminder: perform monthly perc leak detection test. Perc leak tests must be performed with a halogenated hydrocarbon detector. </div>				1	2 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	3
4	5	6	7	8	9 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	10
11	12	13	14	15	16 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	17
18	19	20	21	22	23 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	24
25	26	27	28	29	30 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	

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December 2007

Weekly Dry Cleaning Equipment Inspections						
Date						
Staff Initials						
Are the following components without leaks? (Circle Y for Yes, N for No)						
Method (choose one) Circle P for Feel, Sight or Smell, or D for Detector		P D	P D	P D	P D	P D
WASH CYCLE	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Pumps	Y N	Y N	Y N	Y N	Y N
	Button Trap	Y N	Y N	Y N	Y N	Y N
	Filter housings	Y N	Y N	Y N	Y N	Y N
	Filter gaskets and seatings	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
DRY CYCLE	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Deodorizing and aeration valves on dryers	Y N	Y N	Y N	Y N	Y N
	Air and exhaust ductwork	Y N	Y N	Y N	Y N	Y N
	Heating and cooling coil doors	Y N	Y N	Y N	Y N	Y N
	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Lint Trap	Y N	Y N	Y N	Y N	Y N
DISTILLATION/ US MISCELLANEO	Hose connections, unions, couplings and valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Distillation unit	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
	Muck cookers	Y N	Y N	Y N	Y N	Y N
Waste tanks and storage containers	Y N	Y N	Y N	Y N	Y N	

Refrigerated Condenser Monitoring Log						
Week	1	2	3	4	5	
Record pressures of the high and low pressure gages, or the refrigerated condenser outlet temperature						
Are pressure gauges within the ranges specified in the manual, or the temperature $\leq 45^{\circ}\text{F}$?	Y N	Y N	Y N	Y N	Y N	
Record the inlet temperature weekly						
Record the outlet temperature weekly						
Calculate the difference (inlet – outlet)						
Is the difference $\geq 20^{\circ}\text{F}$	Y N	Y N	Y N	Y N	Y N	

Perc Purchases Running Total		
Total From Last Month		
Subtract Perc Purchased DECEMBER 2006		-
Subtotal		
Purchase Date	Purchase Amount	12 Month Running Total
	+	
	+	

Repair Log	
Date	Description of Repair

Waste Generation / Treatment Log			
Waste Type	Date	Amount	Units
Still Bottom/Muck			pounds
Lint Filter			pounds
Atom/Mister Filter			pounds
Contact/Sep. Water			gallons

APC Secondary Carbon Adsorber Monitoring						
Week	1	2	3	4	5	
Is Perc concentration less than 100 PPM? (for machines that vent to carbon adsorbers immediately upon machine door opening)	Y N	Y N	Y N	Y N	Y N	
Is Perc concentration less than 300 PPM? (for machines that vent to carbon adsorbers prior to machine door opening)	Y N	Y N	Y N	Y N	Y N	



December 2007



Virginia Small Business
Assistance Program
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Dry Cleaner Compliance Calendar

S	M	T	W	T	F	S
<div> Reminder: perform monthly perc leak detection test. Perc leak tests must be performed with a halogenated hydrocarbon detector. </div>					Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	1
2	3	4	5	6	7 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	8
9	10	11	12	13	14 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	15
16	17	18	19	20	21 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	22
23	24	25	26	27	28 Temp logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	29
30	31					

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Small Business Internet Resources



Virginia Department of Environmental Quality

Small Business Assistance Program: www.deq.virginia.gov/osba/

Pollution Prevention: www.deq.virginia.gov/p2/



EnviroMENTORS; www.deq.virginia.gov/vmn/vmnindex.htm

Environmental Education: www.deq.virginia.gov/education/

Virginia Naturally: www.deq.virginia.gov/vanaturally



Virginia Department of Business Assistance



Small Business Development: www.dba.virginia.gov/smdev

Small Business Financing Authority: www.dba.virginia.gov/financing

US Environmental Protection Agency



Small Business Environmental Home Page: www.smallbiz-enviroweb.org

Small Business Gateway: www.epa.gov/smallbusiness/



Region III Small Business Assistance Center: www.epa.gov/region03/sbac/index.htm

Small Business Assistance Program Regional and Central Office Program Contacts

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Jed Brown	South Central Regional Office	Lynchburg	434 582-5120
Terry H. Darton	Northern Regional Office	Woodbridge	703 583-3845
Terry H. Darton	Fredericksburg Satellite Office	Fredericksburg	540 899-4505
Dean Gossett	Fredericksburg Satellite Office	Fredericksburg	540 899-4534
Doris McLeod	Piedmont Regional Office	Richmond	804 527-5117
David Sellers	Tidewater Regional Office	Virginia Beach	757 518-2108
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Small Business Assistance Program
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